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BY:

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اگر آپ آرمی، نیوی یا ایئر فورس کی کسی بھی برانچ کے امتحان کی تیاری کرنا چاہتے ہیں تو ہم سے رابطہ کریں: 03066892208

Biology

1. The Study of cells at molecular level is called?

- Morphology
- Palaeontology
- Molecular Biology
- Microbiology

Molecular Biology

Biology

2. Microbiology deals with the study of

- Algae, Bacteria
- Fungi, Protozoa
- Viruses
- All of them

ALL OF THEM



Biology

3. Marine biology is deals with the study of?

➤ **Protoza**

➤ **Bacteria**

➤ **Seas and oceans**

➤ **All of them**

Seas and oceans

Biology

4. Social biology is deals with the study of?

- Service industries
- Communilization
- Social behaviour
- Both A and B

Both A and B



Biology

5. Highly organized living organisms are composed of?

- One or more cells
- One cell
- Two cells
- Three cells

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One or More cells



Biology

6. Which can response to changes in their environment?

- Living organisms
- Non living organisms
- Both A and B
- None A and B

Both A and B



Biology

7. Environmental biology deals with the study of?

- Relationship of organisms with society
- Relationship of organisms with their environment
- Relation of organisms with technology
- None of the above

Relation of organisms with
their environment

Biology

8. Physical and chemical parameters of water bodies are examples of?

- Ecobiology
- Fresh water biology
- Microbiology
- None of the above

Fresh water biology



Biology

9. The study of mode of transmission belongs to?

- Ecobiology
- Biotechnology
- Microbiology
- Parasitology

Parasitology



Biology

10. Number of naturally occurring elements is?

➤ 92

➤ 98

➤ 91

➤ 96

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92



Biology

11. How many chemical reactions are present in simple organism for maintaining its life?

- Hundreds
- Thousands
- Millions
- Billions

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Hundreds



Biology

12. How many elements are used in forming the chemical compound?

➤ 92

➤ 16

➤ 94

➤ 17

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16

Biology

13. Highly structure protoplasm is?

- Genetical substance
- Non-Living Substance
- Living Substance
- None of the above

Living Substance



Biology



Pass Verbal Inte

14. The Start of the study of biological organization at different level forms?

✦ Sub atomic particle

✦ Community

✦ Atomic Particles

✦ Both a and c

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Both a and c

Biology

15. A combination of atom belong to?

- **Atom**
- **Micro Molecules**
- **macro Molecules**
- **None of the above**

None of the Above

Biology

16. Organs are composed of _____?

➤ **Tissues**

➤ **cells**

➤ **units**

➤ **None of the above**

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Tissues

Biology

17. The properties of chemical elements differ from one another in?

➤ Non-living word

➤ Living word

➤ Both a and b

➤ None of the above

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Non-living word

Biology

18. Biological organization has?

- Number of processes
- degree of complexity
- Regulatory function
- All of these

All of these



Biology

19. Member of _____ species inhabiting the same area called population?

➤ One

➤ Two

➤ Three

➤ More Than one

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One

Biology

20. Micro molecules having low molecule weight are?

➤ Oxygen

➤ Strach

➤ Proteins

➤ CO₂, H₂O

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CO₂, H₂O

Biology

21. Glucose and amino acids are _____ Molecules?

- Organic
- Inorganic
- Both a and b
- None of the above

Organic



Biology

22. How cells and Organelles are formed?

- From a particular way of Macro molecules
- from a particular way micro Molecules
- Form particular way of macro and micro molecules
- None of the above

**From a particular way
of micro and macro molecules**



Biology

23. Fungi animals and plants may consist of upto?

- Millions of cells
- Billion of cells
- Trillions of cells
- None of the above

Trillions of cells



Biology

24. A group of similar _____ is called tissue?

- Organs
- Cells
- Units
- Structure

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Cells

Biology

25. _____ have a limited number of organelles?

➤ Prokaryotes

➤ Eukaryotes

➤ organ system

➤ None of the above

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Prokaryotes

Biology

26. In animals coordination is achieved by the means of?

- Respiratory System
- Circulatory System
- Digestive System
- Nervous System

Nervous system



Biology

27. Long term regulations of activities is brought in plants by?

- Hormones
- Minerals
- Salt
- Organs

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Hormones

Biology

28. _____ have a rich number of organelles?

- Plants
- Eukaryotes
- Animals
- Prokaryotes

Eukaryotes



Biology

30. Living wc_ are involved in anchoring in plants?

➤ Long

➤ Same

➤ Enormous

➤ Short

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Roots

Biology

30. Living world is _____ in size.

➤ Long

➤ Same

➤ Enormous

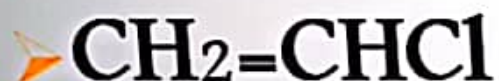
➤ Short

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Enormous

CHEMISTRY

1. In which of the following halogens p-electrons does not take part in resonance?



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CHEMISTRY

2. Which of the following statement is false?

- 40% solution HCHO is known as formalin
- HCHO is least reactive in its homologous series
- The BP of iso- α -butylaldehyde is less than n- α -butylaldehyde
- BP of ketones is higher than aldehydes

HCHO IS LEAST REACTIVE

CHEMISTRY

3. Which of the following is least hydrolized?

- BeCl_2
- MgCl_2
- BaCl_2
- CaCl_2

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BaCl_2

CHEMISTRY

4. The laughing gas is?



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CHEMISTRY

5. The hydrogen ion concentration of a solution is 3.98×10^{-6} mole/liter. PH of solution is?

- 5.4
- 5.0
- 6.8
- 7.0

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5.4

CHEMISTRY

6.The reaction of sodium acetate with soda lime gives?

- Butane
- Methane
- Propane
- Ethane

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Methane

CHEMISTRY

7. Which of the following acid can't contain -COOH group?

- Carbamic acid
- Lactic acid
- Barbituric acid
- Succinic acid

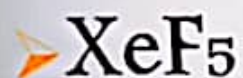
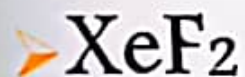
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Barbituric acid

CHEMISTRY

7. Which of the following compound of xenon doesn't exist



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XeF_5

CHEMISTRY

8. $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ is?

- Mohr's salt
- Green vitriol
- Blue vitriol
- White vitriol

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Green Vitriol

CHEMISTRY

9. The solution of BiCl_3 in dil HCl diluted with water white precipitate formed which is?

- Bismuth oxychloride
- Bismuth oxide
- Bismuth hydroxide
- None

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Bismuth Oxychloride

CHEMISTRY

10. The strongest acid is?

- Acetic acid
- Trichloroacetic acid
- Dichloroacetic acid
- Monochloroacetic acid

Acid

Trichloroacetic

CHEMISTRY

11. The false statement regards alkene is?

- They doesn't perform polymerization reaction
- They doesn't gives elimination reaction
- It doesn't disappear the colour of dilute KMnO_4
- It doesn't decolourize bromine water

**It doesn't
disappear colour of dil. KMnO_4**

CHEMISTRY

12.WHICH of the following is strongest base?

- $\text{C}_6\text{H}_5\text{NH}_2$
- CH_3NH_2
- NH_3
- CH_3CONH_2

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CH_3NH_2

CHEMISTRY

13. Which of the following aromatic compound give sulphonation reaction easily?

- Chlorobenzene
- Nitrobenzene
- Toulene
- Benzene

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Toulene

CHEMISTRY

14. The geometry of I_3^- is ?

➤ Triangular

➤ Linear

➤ Tetrahedral

➤ T-shape

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Linear

CHEMISTRY

15. The half life of a radioactive element is 140 days. 1 gram of this element after 560 days becomes?

- $1/16$ gram
- $1/4$ gram
- $1/8$ gram
- $1/2$ gram

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$1/16$ gram

CHEMISTRY

16. The volume concentration of hydrogen peroxide 6.8% concentration will be?

- 5
- 11.2
- 22.4
- 20

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20

CHEMISTRY

17. Which of the following on combustion gives maximum energy?

- Ethane
- Methane
- Propane
- Butane

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Butane



CHEMISTRY



- Canizaro's
- Friedel-craft's
- Reimer-tiemann
- Gattermann

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Friedel-Craft

CHEMISTRY

19. The oxidation state of Cr in $\text{K}_2\text{Cr}_2\text{O}_7$ is?

➤ +4

➤ +3

➤ +6

➤ +5

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+6

CHEMISTRY

20. The natural rubber is polymer of?

- 1,3-Butadiene
- Polyamide
- Isoprene
- None of these

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Isoprene

1.The branch of Science which deals the properties of matter and energy and their mutual relation is/called.

Chemistry

Biology

Physics.

Astronomy

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2.The orange light emitted from krypton-86 is used to define?

Kg

Meter.

CM

Second

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3.The unit of force in British engineering system is?

Newton

Dyne

Pound.

Kelvin

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4.The unit of mass in foot-pound system is?

Kg

Slug.

Ampere

Gram

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5.The dimension formula of velocity is?

LT-2

MOLT-2

LT-1.

LMT-1

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6.The Dimension formula of acceleration is?

LT-2

ML²T⁻²

LT⁻².

L⁰M¹T¹

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7.Cs- 133 is used to measure?

Time.

Mass

Length

Force

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8. One atton is equal to?

10 Femto

100 Femto

10⁻³ Femto.

1000 Femto

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9. One inch is equal to?

0.254 m

0.254 cm

2.54 cm.

25.4 cm

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10. The total number of significant figures in 0.0054 is ?

1

2.

3

4

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11. Which of the following is a scalar quantity?

Energy.

Velocity

Force

Torque

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12. Which is the vector quantity?

Density

Charge

Impulse.

Work

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13. A vector which has magnitude one is called?

Null vector

Position vector

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Unit vector.

None of these

14. The angle between two rectangular components of a vector is ?

30

60

180

90.

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15. A force of 6 N is acting along x-axis. Its y-Component is?

6 N

Zero

12 N

3 N

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16. Torque is the product of?

Mass and acceleration

Force and mass

Mass and velocity

Force and vertical distance of force from axis of rotation.

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17. One Revolution is equal to?

360.

180

90

270

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18.If we add all the 7 colours of rainbow (red, yellow, blue, green, orange, violet and indigo), the resultant colour would be?

White.

Black

Maroon

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19. When white light passes through a prism, it splits into colours?

5

6

7.

8

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20. A camera uses a to form an image on a piece of film at the back?

convex lens

concave lens

diverging lens

one of these

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21.Short-sight defect could be corrected by a?

convex lens

concave lens

converging lens

none of these

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22.Red + Green + Blue = ?

White.

Black

Maroon

Dark Blue

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23. Ozone layer protects the Earth from radiations from the Sun?

microwaves

infrared

X-rays

Ultraviolet.

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24.The distance of Moon from the Earth is km?

A. 364,000

B. 384,000.

C. 464,000

D. 484,000

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25. There are__ planets in orbit around the Sun?

6

7

8.

9

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26. Planets are kept in orbit by the?

Attraction among the Planets

Attraction among the Planets and the Sun

Radiations from the Sun

Gravitational pull of the Sun

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27. Which from the following is NOT a Renewable Energy?

Geothermal

Solar

Nuclear.

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28. One pascal in SI is equal to?

One newton metre

One newton metre⁻¹

One newton metre⁻²

One dyne cm²

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29.The correct unit of power is?

Kilowatt.

Dynes

Joule

Kilowatt-hour

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30. Which of the following is dimensionally correct?

Pressure = Energy per unit area

Pressure = Energy per unit volume

Pressure = Force per unit volume

Pressure = momentum per unit volume per unit time